

TIME-SENSITIVE-PACKET JITTER AND LATENCY MINIMIZATION ON A SHARED DATA LINK

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ABSTRACT OF THE DISCLOSURE

A system and method are disclosed for interleaving time-critical packets and lower-priority packets onto a common data link. A packet arrival prediction mechanism predicts when a time-critical packet is expected to arrive. When transmission of a waiting lower-priority packet might cause a substantial delay in the expected time-critical packet's
10 transmission, the lower-priority packet is parked until it can be transmitted without interfering with a time-critical packet.